

# PATENT COOPERATION TREATY

# PCT

## INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference <b>664824</b>	<b>FOR FURTHER ACTION</b> see Form PCT/ISA/220 as well as, where applicable, Item 5 below.	
International application No. <b>PCT/JP2004/019692</b>	International filing date (day/month/year) <b>22/12/2004</b>	(Earliest) Priority Date (day/month/year) <b>26/12/2003</b>
Applicant <b>SUMITOMO CHEMICAL COMPANY, LIMITED</b>		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 3 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

**1. Basis of the report**

a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ The international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

b. ☐ With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, see Box No. I.

2. ☐ **Certain claims were found unsearchable** (See Box II).

3. ☐ **Unity of invention is lacking** (see Box III).

4. With regard to the **title**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established by this Authority to read as follows:

5. With regard to the **abstract**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. With regard to the **drawings**,

a. the figure of the **drawings** to be published with the abstract is Figure No. \_\_\_\_\_

☐ as suggested by the applicant.

☐ as selected by this Authority, because the applicant failed to suggest a figure.

☐ as selected by this Authority, because this figure better characterizes the invention.

b. ☒ none of the figures is to be published with the abstract.

## INTERNATIONAL SEARCH REPORT

International Application No

PCT/JP2004/019692

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C07C255/10 C07C255/31 A01N37/34

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C07C A01N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, BEILSTEIN Data, CHEM ABS Data

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 02/090320 A (SUMITOMO CHEMICAL COMPANY, LIMITED; OTAKA, KEN; OOHIRA, DAISUKE; OKADA) 14 November 2002 (2002-11-14) claims; examples	1,11-13
A	US 4 000 314 A (DRABEK ET AL) 28 December 1976 (1976-12-28) claims; examples	1,11-13

☐ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

## \* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*G\* document member of the same patent family

Date of the actual completion of the international search

4 April 2005

Date of mailing of the international search report

12/04/2005

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# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/JP2004/019692

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 02090320	A	14-11-2002	BR 0209461 A	06-07-2004
			BR 0209481 A	06-07-2004
			BR 0209532 A	09-03-2004
			CA 2446006 A1	14-11-2002
			CN 1524071 A	25-08-2004
			CN 1523958 A	25-08-2004
			EP 1385817 A2	04-02-2004
			EP 1385377 A1	04-02-2004
			EP 1392647 A1	03-03-2004
			HU 0400033 A2	28-04-2004
			WO 02090320 A2	14-11-2002
			WO 02089579 A1	14-11-2002
			WO 02090321 A1	14-11-2002
			JP 2003026647 A	29-01-2003
			JP 2003026510 A	29-01-2003
			JP 2003026511 A	29-01-2003
			US 2004142821 A1	22-07-2004
			US 2004138065 A1	15-07-2004
			US 2004143007 A1	22-07-2004
US 4000314	A	28-12-1976	CH 604508 A5	15-09-1978
			AT 339090 B	26-09-1977
			AT 24476 A	15-01-1977
			BE 837583 A1	15-07-1976
			CA 1061799 A1	04-09-1979
			DE 2601052 A1	22-07-1976
			EG 12616 A	31-03-1979
			FR 2297838 A1	13-08-1976
			GB 1475974 A	10-06-1977
			IL 48847 A	31-08-1978
			JP 51095029 A	20-08-1976
			NL 7600379 A	20-07-1976
			SU 708979 A3	05-01-1980
			ZA 7600227 A	29-12-1976

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